

**APPRENTICE RECORD
HEP OPERATOR
RELATED TRAINING**

BEGINNING W/GROUP #XXXII

SUBJECT	TEXT	ASSIGNMENTS	EXAMS	DATE	SCORE
1. Basic Pneumatics	TPC Training Systems #309 Mechanical Maintenance	Unit 309: 10 Study Hours Request and complete Handout Exam.	Unit 309		
2. Pneumatic Trainer	Instructor's Materials	Classroom attendance at SJFD O&M - Training Center Class #11 - 40 Hours	Instructor Test		
3. Fluid Hydraulics	Vickers Hydraulics	Chapter 10: 2 Study Hours Request and complete Handout Exam.	Chap. 10		
		Chapter 11: 2 Study Hours Request and complete Handout Exam.	Chap. 11		
		Chapter 17: 2 Study Hours Request and complete Handout Exam.	Chap. 17		
		Chapter 18: 2 Study Hours Request and complete Handout Exam.	Chap. 18		
4. Hydraulics Trainer	Instructor's Materials	Classroom attendance at SJFD O&M - Training Center Class #9 - 40 Hours	Instructor Test		
5. Power Transformers	Principles of Hydro-Electric Power, Volume II (HSC)	Chapter 23: 3 Study Hours Request and complete Handout Exam.	Cha. 23		
6. Circuit Breakers	Principles of Hydro-Electric Power, Volume II (HSC)	Chapter 30: 5 Study Hours Request and complete Handout Exam.	Cha. 30		
	O&M Training Center Hand- Book on Circuit Breakers	Read entire Handbook: 5 Study Hours Request and complete Handout Exam.	O&M Handbook		
7. Transformers and PCB's	Instructor's Materials	Classroom attendance at SJFD O&M - Training Center Class #8 - 40 Hours	Instructor Test		
8. Protective Relays	General Electric (Intro.)	Pages 1 through 7: 3 Study Hours Request and complete Handout Exam.	Pages 1--7		
	Westinghouse Silent Sentinel	Chapter 1: 3 Study Hours Request and complete Handout Exam.	Cha. 1		
	Westinghouse Silent Sentinel	Chapter 2: 3 Study Hours Request and complete Handout Exam.	Cha. 2		
	Principles of Hydro-Electric Power, Volume II (HSC)	Chapter 27: 3 Study Hours Request and complete Handout Exam.	Cha. 27		
	Operations and Maintenance Manual	Read for reference only.	None		

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SUBJECT	TEXT	ASSIGNMENTS	EXAMS	DATE	SCORE
9. Protective Relays	Instructor's Materials	Classroom attendance at SJFD O&M - Training Center Class #10 - 40 Hours	Instructor Test		
10. State Power Contracts	Summaries of Major Electrical Power Contracts for the State Water Project	Read for reference only.	None		
11. Piping Systems	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 8: 3 Study Hours Request and complete Handout Exam.	Cha. 8		
12. Surge Chambers	Principles of Hydro-Electric Power, Volume I (HSC)	Chapter 12: 3 Study Hours Request and complete Handout Exam.	Cha. 12		
13. 3rd Six Month Final Exam	Review all text study material	Field Division Proctor to administer. Closed-book 3rd-Six Month Final Exam	3rd Six Month Final Exam		
14. 3rd Six Month Achievement Test	Hands-on demonstration of proficiency	During working hours, task to be selected and graded by Supervisor.	Supervisor Test		